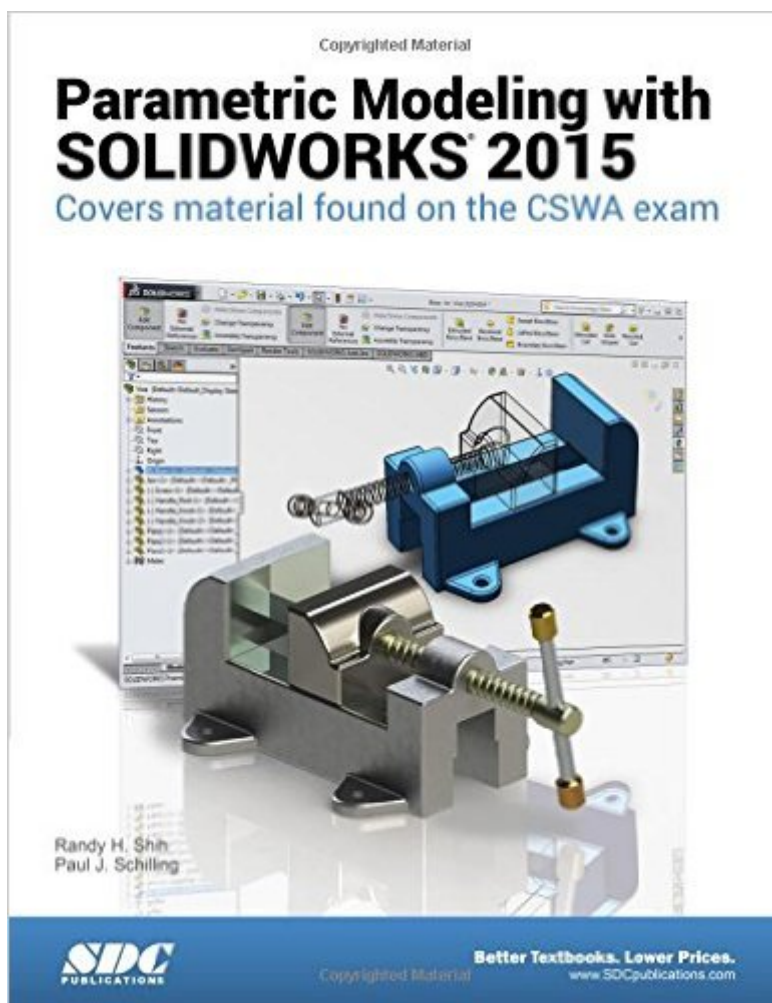


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# Parametric Modeling With SOLIDWORKS 2015



## Synopsis

Parametric Modeling with SOLIDWORKS 2015 contains a series of sixteen tutorial style lessons designed to introduce SOLIDWORKS 2015, solid modeling and parametric modeling techniques and concepts. This book introduces SOLIDWORKS 2015 on a step-by-step basis, starting with constructing basic shapes, all the way through to the creation of assembly drawings and motion analysis. This book takes a hands-on, exercise-intensive approach to all the important Parametric Modeling techniques and concepts. Each lesson introduces a new set of commands and concepts, building on previous lessons. The lessons guide the user from constructing basic shapes to building intelligent solid models, assemblies and creating multi-view drawings. This book also covers some of the more advanced features of SOLIDWORKS 2015 including how to use the SOLIDWORKS Design Library, basic motion analysis, collision detection and analysis with SimulationXpress. The exercises in this book cover the performance tasks that are included on the Certified SOLIDWORKS Associate (CSWA) Examination. Reference guides located at the front of the book and in each chapter show where these performance tasks are covered.

Table of Contents Certified SOLIDWORKS Associate (CSWA) Exam Overview 1. Getting started 2. Parametric Modeling Fundamentals 3. Constructive Solid Geometry Concepts 4. Feature Design Tree 5. Geometric Relations Fundamentals 6. Geometric Construction Tools 7. Parent Child Relationships and the BORN Technique 8. Part Drawings and Associative Functionality 9. Reference Geometry and Auxiliary Views 10. Symmetrical Features in Designs 11. Advanced 3D Construction Tools 12. Sheet Metal Designs 13. Assembly Modeling - Putting it all Together 14. Design Library and Basic Motion Study 15. Design Analysis with SimulationXpress 16. CSWA Exam Preparation Index

## Book Information

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## Customer Reviews

Exercises are satisfactory, though verbose. If you can read, you WILL learn something. Book is very poorly developed. Exercise image quality is hilariously blurry, can't read dimensions on several images throughout the book. Whoever authored this text and imported these images into the layout gave little to ZERO thought as to the image quality or print resolution before they boxed it up, slapped the updated YEAR and the updated PRICE on it, and hocked it to all the tech colleges in the South East. There are scattered errors throughout the exercises that you will notice as you plod mirthlessly along through them. One would think attention to detail would be a quality valued by draftsmen and CAD engineers. If you're buying this for school, and your professor assigns from the book, I hope for your sake that he or she is proactive in actually looking at the text they're teaching from (mine wasn't) and ready/willing to supplement the illegible dimensions for the students. It truly boggles the mind how a book can be published with such depressingly poor quality in support of software that is by no stretch inexpensive. If you're into spending money and getting results, please consider a Lynda.com account.

I am currently using this text in a solid modeling class at a local college. The color picture on the cover is cool, but the text is monochrome. Several reviewers commented on the poor pictures and I must agree that a few of the assignment schematics have dimensions that are small and blurry. However, it's nothing a magnifying glass and pencil won't remedy. Most of the assignments, however, are perfectly readable. I am about halfway through the text and I have not found any obvious mistakes in spelling, grammar or content. The layout of the text is bunched and, at times, difficult to read. It's not a fun book to read. The assignments are minimal but they are geared about right for the SOLIDWORKS tyro like myself. If you are contemplating purchasing this book you are most likely a student taking a class and this is the required text. In that case, search around and buy it as cheaply as possible. I purchased my copy here on . Can you learn SOLIDWORKS by using this book as your guide? Most definitely! Are there better books out there? Probably, but this one works. If you are serious about learning SOLIDWORKS, buy this book, download the software and start working. It can be done.

My kid loved the volume. He's studying Mechanical Engineering. Well done text, he says.

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